Claims

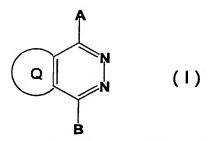
- 1. An agent for inhibiting an excessive effect of NAD(P)H oxidase, which comprises a compound that does not substantially inhibit the effect of leukocyte NADPH oxidase but inhibits the effect of NAD(P)H oxidase in a tissue other than leukocyte.
 - 2. The agent of claim 1, wherein the tissue other than leukocyte is a tissue of a vascular cell, the heart, the kidney, the retina, the microglia or a tumor cell.

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- 3. The agent of claim 1 or 2, wherein the excessive effect of NAD(P)H oxidase is caused by diabetes, hypertension, hyperlipidemia, obesity, smoking, heart failure, cardiac hypertrophy, ischemic heart diseases, angioplasty or ischemia15 reperfusion in organ transplantation.
 - 4. The agent of claim 1 or 2, wherein the excessive effect of NAD(P)H oxidase is caused by cancer or dementia.
- 20 5. The agent of claim 1 or 2, wherein the excessive effect of NAD(P)H oxidase is caused by intake of chemicals.
- 6. The agent of any one of claims 1 to 5, wherein the compound that does not substantially affect leukocyte NADPH oxidase but inhibits an excessive effect of NAD(P)H oxidase in a tissue other than leukocyte is a bicyclic pyridazine compound represented by the following formulas (I) to (VIII) or a

pharmacologically acceptable salt thereof:

30 formula (I)



wherein A is C_3-C_6 alkyl, C_5-C_7 cycloalkyl, or phenyl, thienyl, furyl, thiazolyl, phenoxy, C_7-C_9 phenylalkyl, phenylthio, nitrogen-containing saturated ring group, pyridyl or imidazolyl, each optionally having one or more substituents selected from C_1-C_4 alkyl, C_1-C_4 alkoxy and halogen, B is -NH-D

[D is

wherein R^1 is hydrogen or C_1-C_4 alkyl, X is halogen, C_1-C_4 alkyl or C_1-C_4 alkoxy, and k is an integer of 0 to 3, when k is an integer of 2 or more, multiple Xs may be the same or different,

wherein R^2 is hydrogen or C_1-C_4 alkyl, Y is C_1-C_4 alkyl or C_1-C_4 alkoxy, and m is an integer of 0 to 6, when m is 2 or more, multiple Ys may be the same or different, and any two Ys may be joined to form optionally branched C_1-C_6 alkylene,

wherein ring H is C_5-C_7 cycloalkyl, and Y and m are as defined above,

-CHR3 R4

wherein R^3 is C_1-C_5 alkyl, and R^4 is C_5-C_8 cycloalkyl or thienyl,

or C_3-C_8 alkyl)

wherein Z is C_1-C_4 alkyl or phenyl, and n is an integer of 0 to 2, when n is 2, these Zs may be the same or different, and Q is a benzene ring, a furan ring or a thiophene ring optionally substituted by C_1-C_4 alkyl,

formula (II)

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wherein R^5 and R^6 are each independently hydrogen, C_1 - C_6 alkyl, C_1 - C_6 alkoxy, halogen, cyano, nitro, amino, trifluoromethyl or carboxyl, and X' is $-COOR^7$ (R^7 is hydrogen or optionally substituted C_1 - C_6 alkyl), $-CONH_2$, -CN, $-COR^8$ (R^8 is optionally substituted C_1 - C_6 alkyl or optionally substituted aryl), $-NH_2$, $-NO_2$ or $-OR^7$ (R^7 is as defined above),

formula (III)

wherein R^9 and R^{10} are each independently hydrogen, C_1-C_6 alkyl, C_1-C_6 alkoxy, halogen, cyano, nitro, amino, trifluoromethyl or carboxyl,

formulas (IV) and (V)

$$R^{11}$$
 R^{12}
 R^{11}
 R

wherein R^{11} and R^{12} are each independently hydrogen, C_1 - C_6 alkyl, C_1 - C_6 alkoxy, halogen, cyano, nitro, amino, trifluoromethyl or 5 carboxyl, and X'' is $-OR^{13}$ (R^{13} is hydrogen, C_1 - C_6 alkyl or aryl) or $-NR^{14}R^{15}$ (R^{14} and R^{15} are each independently hydrogen, C_1 - C_6 alkyl or aryl,

formulas (VI), (VII) and (VIII)

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wherein R^{16} and R^{17} are each independently hydrogen, C_1-C_6 alkyl, alkoxy, halogen, cyano, nitro, amino, trifluoromethyl or carboxyl, R^{18} and R^{19} are each independently hydrogen or C_1-C_6 alkyl, and Y' is oxygen or sulfur.

- 7. A pharmaceutical composition for the diseases caused by an excessive effect of NAD(P)H oxidase, which comprises the agent of any one of claims 1 to 6 as an active ingredient.
- 8. The pharmaceutical composition of claim 7, which is administered simultaneously with a hypolipidemic agent, an antihypertensive agent, a hypoglycemic agent, a vasodilator, an

antiplatelet agent, an anticoagulant, a brain protective agent, an anticancer agent, a diuretic agent, a cardiotonic agent, an analgesic agent, an antiedemic agent, a thrombolytic agent, an immunosuppressant, a steroid, a vitamin or an antioxidant, or administered separately therefrom, or administered sequentially therewith.